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PATENT SPECIFICATION



Application Date: June 11, 1935. No. 16861/35.

458,036

Complete Specification Left: April 28, 1936.

Complete Specification Accepted: Dec. 11, 1936.

PROVISIONAL SPECIFICATION

Improvements in or relating to Bedsteads

I, (Mrs.) ADELINA MAUD SHEAF, a British Subject, of "Nutwell," Grange Road, St. Peters, Thanet, do hereby declare the nature of this invention to be as follows:—

This invention relates to bedsteads of the type having a main frame carried by legs for supporting a single-bed mattress, and has for its main object to enable a single bed to be readily converted into a double bed.

According to the invention there is provided a bedstead of the type described, in combination with holding means that is arranged beneath the frame and serves for carrying a complementary mattress, and a plurality of bearer members to be laid transversely on the frame, for carrying the single-bed mattress and the complementary mattress side by side.

The holding means may have the form of a cradle suspended from the ends of the bedstead, and may comprise a central longitudinal bar and two side flaps hinged thereto.

The bearer members preferably have at their underside fasteners for engaging the frame and holding them against lifting movement on the frame.

According to one method of carrying the invention into practice, a bedstead having an iron frame carried by legs for supporting a spring mattress of the box type suitable for a single person to lie on, has a cradle suspended from the ends of the bedstead. This cradle consists of a central longitudinal bar suspended by two chains from the middle of the ends of the frame. Two side flaps are hinged to the bar and

also have chains at their ends which can be detachably attached to the ends of the bedstead frame. These flaps may be of plywood, and when suspended, the cradle serves for holding a complementary mattress, e.g. half the width of the single-bed mattress, and also four bearer members.

When it is desired to convert a single bed into a double bed, it is only necessary to place the bearers transversely on the main frame and to place both mattresses side by side thereon. The bearers can be secured against lifting movement by engaging fasteners at their underside with the frame of the bedstead when placing them in position.

When on the cradle, the complementary mattress and bearers lie close against the underside of the main frame and single-bed mattress thereon, so that they are almost out of sight. Owing to the hinged construction of the cradle, the operation of removing the bearers and complementary mattress from it is facilitated.

The invention is not restricted to the precise constructional details enumerated. For example, some other form of mattress, e.g. a hair mattress, may be used, and the bearers may carry between them and the double-bed mattresses, a thin flat supporting surface, e.g. of plywood, which may be arranged to fold so as also to be carried by the cradle. Instead of plywood, laths may be used as such a supporting surface.

Dated this 11th day of June, 1935.

BOULT, WADE & TENNANT,
111 & 112, Hatton Garden, London, E.C.1,
Chartered Patent Agents.

COMPLETE SPECIFICATION

Improvements in or relating to Bedsteads

I, (Mrs.) ADELINA MAUD SHEAF, a British Subject, of "Nutwell," Grange Road, St. Peters, Thanet, do hereby declare the nature of this invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to bedsteads of the type having a main frame carried by legs for supporting a single-bed mattress, and has for its main object to enable a single bed of this type to be readily converted into a double bed.

According to the invention there is provided a bedstead of the type described, in combination with holding means that is arranged beneath the frame and serves for

the type having a main frame carried by legs for supporting a single-bed mattress, and has for its main object to enable a single bed of this type to be readily converted into a double bed.

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carrying a complementary mattress and a plurality of bearer members, said members to be laid transversely on the frame for carrying the single-bed mattress and the complementary mattress side by side.

The holding means may have the form of a platform suspended from the ends of the bedstead, and may comprise a central longitudinal bar and two side flaps hinged thereto.

The bearer members preferably have at their underside fasteners for engaging the frame and holding them against lifting movement on the frame.

One embodiment of the invention is diagrammatically illustrated by way of example in the accompanying drawings, wherein:—

Figure 1 is a perspective view showing a bedstead provided with a platform;

Figure 2 is an end elevation thereof, and Figures 3 and 4 are detail views described hereinafter, drawn to a scale larger than that of Figures 1 and 2.

Figure 5 is a vertical sectional elevation of a bedstead having another form of mattress.

Like reference characters designate like parts throughout the several views.

Referring first to Figures 1 to 4, a bedstead having an iron frame 10, 11, 12 carried by legs 14 for supporting a spring mattress 16 of the box type, shown in broken lines, suitable for a single person to lie on, has a platform 18, suspended as described hereinafter. This platform 18 shown detached and broken away in Figure 3, consists of a central longitudinal bar 20 that can be suspended by means of hooks by two chains 21 from the middle of two shorter end bearers 17, 19, placed at the ends of the iron frame. Two side flaps 22, 23 are hinged to the bar 20 and also have hooks at their ends for detachably engaging chains 24 which can be attached to the ends of the shorter bearers 17, 19. These flaps may be of plywood, and when suspended, the platform 18 serves for holding a complementary mattress 26, of the same type as, but e.g. half the width of the single-bed mattress 16, and also four longer bearer members 28 in the form of slats, whereof one is shown separately in Figure 4.

When it is desired to convert a single bed into a double bed, it is only necessary to place the longer bearers 28 transversely on the main frame 10, 11, 12 and to place both mattresses 16, 26 side by side thereon, as shown in broken lines in Figure 1. The two mattresses can be held in position by means of pivoted catches 30 mounted on the ends of the bearers 28. The bearers 17, 19 and 28 can be secured against lifting

movement by engaging rotary fasteners 32 at their underside with the longitudinal frame members 11 of the bedstead when placing them in position.

When the complementary mattress 26 and the bearers 28 are on the platform, as shown in full lines in Figure 2, they lie close below the underside of the main frame 10, 11, 12 of the bedstead, so that when the single-bed mattress 16 only is on the latter, they are almost out of sight. Owing to the hinged construction of the platform, the operation of removing the bearers and complementary mattress from it is facilitated, because each of the flaps 22, 23, can be lowered independently of the other, when the parts supported thereby will slide towards the floor.

Figure 5 shows a single-bed mattress 34, e.g. of the box type, having a rigid base, and a complementary mattress 36 of the same kind supported side by side as described above, with a two-piece overlay 38, 40 on the mattresses 34, 36 in the position of use as a double bed. When a single bed is required the two parts 36, 40 can be stowed away on the platform together with the longer bearers 28.

Various modifications may be made in the details of construction described above without departing from the invention. For example, some other form of mattress, e.g. a hair mattress, may be used, in which case, the bearers 28 will preferably carry between them and the double-bed mattress, a thin flat supporting surface, e.g. of plywood, which may be arranged to fold so as also to be carried by the platform. Instead of plywood, laths may be used as such a supporting surface on the bearers for a hair mattress.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed I declare that what I claim is:—

1. A bedstead of the type described, in combination with holding means that is arranged beneath the frame and serves for carrying a complementary mattress and a plurality of bearer members, said members to be laid transversely on the frame for carrying the single-bed mattress and the complementary mattress side by side.

2. A bedstead according to Claim 1, wherein the holding means has the form of a platform suspended from the ends of the bedstead.

3. A bedstead according to Claim 1 or Claim 2, wherein the holding means comprises a central longitudinal bar and two side flaps hinged thereto.

4. A bedstead according to any of the preceding claims, wherein the bearer members have at their underside fasteners

for detachably engaging the frame and holding them against lifting movement on the frame.

5 6. A bedstead according to Claim 2, in which the platform is suspended from two bearer members laid transversely on the frame at the ends thereof.

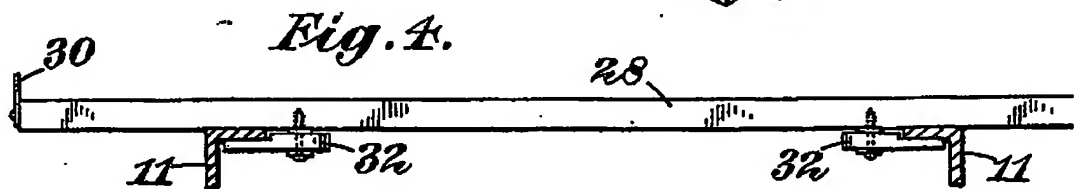
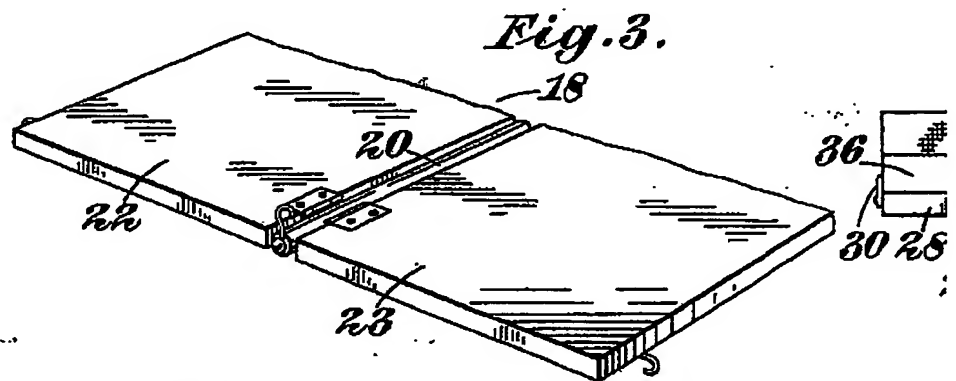
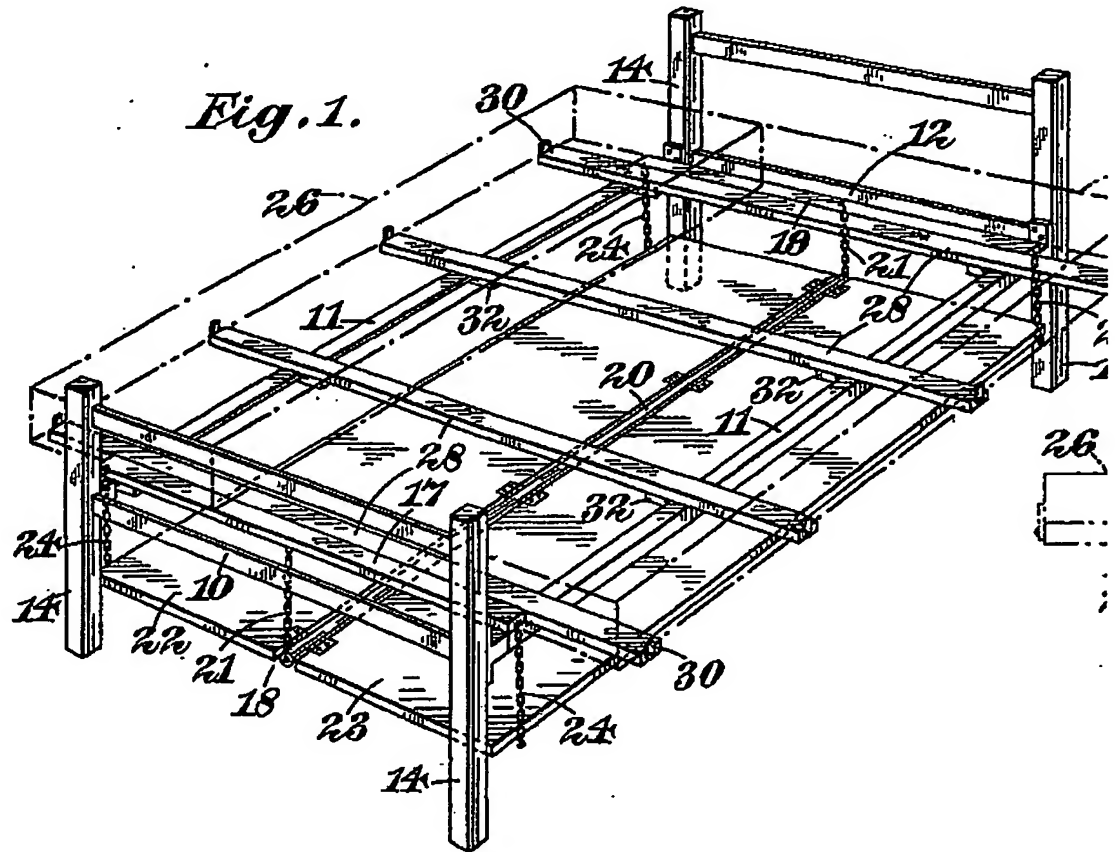
6. A bedstead combined with a platform and bearer members as shown in the accompanying drawings.

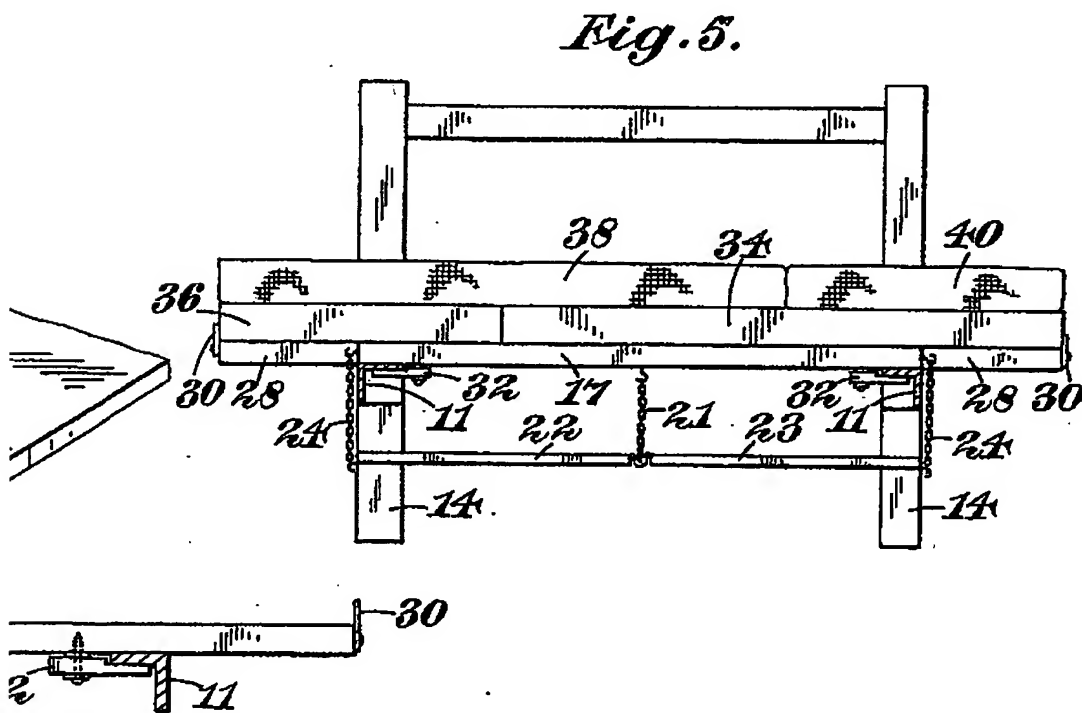
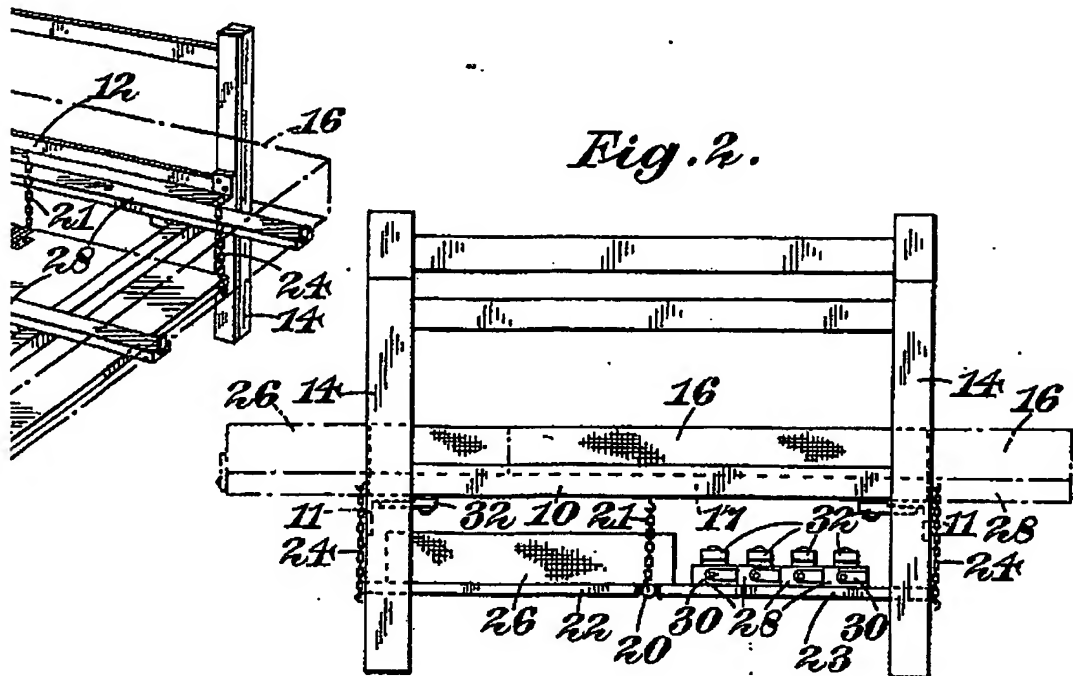
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Dated this 28th day of April, 1936.

BOULT, WADE & TENNANT,
111/112, Hatton Garden, London, E.C.1,
Chartered Patent Agents.

[This Drawing is a reproduction of the Original on a reduced scale.]





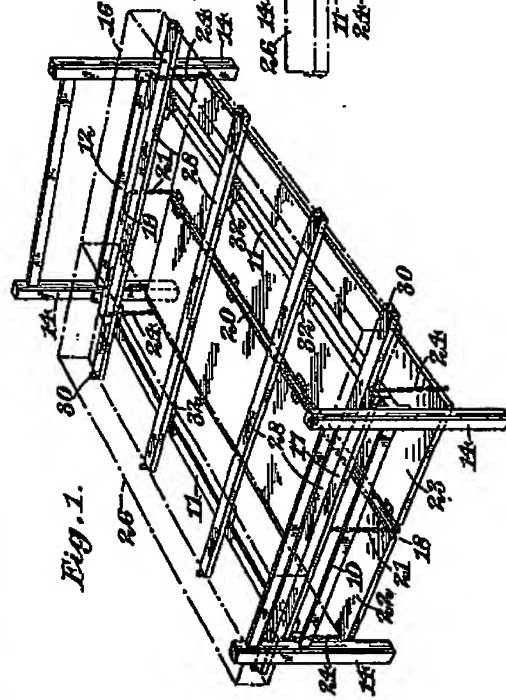


Fig. 1.



Fig. 2.

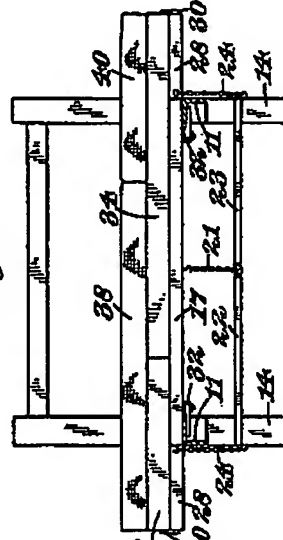


Fig. 3.

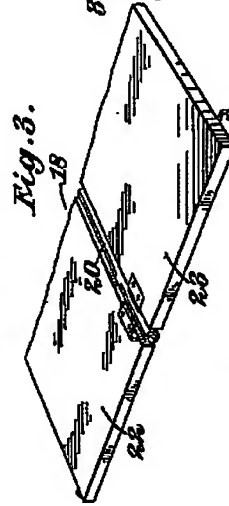


Fig. 4.

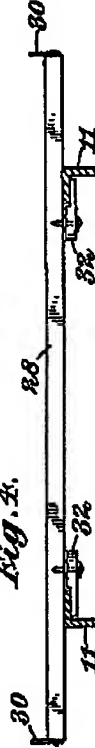


Fig. 5.

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